Title (en)

METHOD AND SYSTEM FOR REDUCING FEEDER CIRCUIT LOSS USING DEMAND RESPONSE

Title (de)

VERFAHREN UND SYSTEM ZUR REDUKTION DES ZUFUHRSCHALTUNGSVERLUSTS MITHILFE EINER BEFEHLSREAKTION

Title (fr)

PROCÉDÉ ET SYSTÈME PERMETTANT DE RÉDUIRE LA PERTE D'UN CIRCUIT D'ALIMENTATION AU MOYEN D'UNE RÉPONSE À UNE DEMANDE

Publication

EP 2248241 A1 20101110 (EN)

Application

EP 09788702 A 20090211

Priority

US 2009000873 W 20090211

Abstract (en)

[origin: WO2010093345A1] A system and method that analyzes at least one aspect of the power grid for demand response in order to reduce feeder circuit losses is provided. The system and method may use a demand response model to select one or more factors for the demand response (such as selecting a subset of customers for demand response from a larger pool of available demand response customers). The demand response model may include a grid structure component (such as an indication of the particular customer's position in the grid) and a dynamic operation component (such as a real-time measurement of current in the feeder circuit). By using the demand response model, feeder circuit losses may thereby reduced.

IPC 8 full level

H02J 3/00 (2006.01); **G06F 17/50** (2006.01); **H02J 3/14** (2006.01)

CPC (source: EP US)

H02J 3/00 (2013.01 - EP US); **H02J 3/008** (2013.01 - EP US); **H02J 3/14** (2013.01 - EP US); H02J 2310/12 (2020.01 - EP); Y02B 70/3225 (2013.01 - EP); Y04S 20/222 (2013.01 - EP); Y04S 50/10 (2013.01 - EP)

Cited by

GB2473908A; GB2473908B; GB2519632A; WO2014165986A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010093345 A1 20100819; AT E528836 T1 20111015; AU 2009321578 A1 20100826; AU 2009321578 B2 20120830; BR PI0924340 A2 20200811; BR PI0924340 B1 20210217; CA 2708578 A1 20100811; CA 2708578 C 20141014; CN 101897096 A 20101124; CN 101897096 B 20130925; EP 2248241 A1 20101110; EP 2248241 B1 20111012; EP 2259403 A1 20101208; EP 2259403 B1 20170712; ES 2372571 T3 20120123; JP 2012517791 A 20120802; JP 5312611 B2 20131009; NZ 594511 A 20130726; RU 2011137448 A 20130320; RU 2505902 C2 20140127; SG 173525 A1 20110929; ZA 201105757 B 20120425

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